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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	8111-035-999	Total Pages	64
	First Named Inventor or Application Identifier			
	Jong Hak Kim			
	Express Mail Label No.	EV 313 842 100 US		

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapters 600 concerning utility patent application contents.</i>	<b>Commissioner for Patents</b> <b>P.O. Box 1450</b> <b>Mail Stop PATENT APPLICATION</b> <b>Alexandria, VA 22313-1450</b>
1. <input checked="" type="checkbox"/> Fee Transmittal Form <i>(Submit an original, and a duplicate for fee processing)</i> 2. <input checked="" type="checkbox"/> Applicant claims Small Entity status, see 37 C.F.R. § 1.27 3. <input checked="" type="checkbox"/> Specification [Total Pages 25] <i>(preferred arrangement set forth below, MPEP 1503.01)</i> - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R&D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description of the Invention (including drawings, if filed) - Claim(s) - Abstract of the Disclosure 4. <input type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets ] 5. <input checked="" type="checkbox"/> Oath or Declaration [Total Sheets ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 CFR 3.73(b) Statement ☒ Power of Attorney  
*(when there is an assignee)*
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
15. ☒ Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(i). Applicant must attach form PTO/SB/35 or it's equivalent
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) | of prior application No.: filed

Prior application information:

Examiner:

Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number	24341 Insert Customer No.	or <input type="checkbox"/> Correspondence address below
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**PENNIE & EDMONDS LLP**

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ATTORNEY DOCKET NO. 8111-035-999

Date: October 31, 2003

Commissioner for Patents  
P.O. Box 1450  
Mail Stop PATENT APPLICATION  
Alexandria, VA 22313-1450

Sir:

The following utility patent application is enclosed for filing:

Applicant(s): Jong Hak Kim, Yong Soo Kang, Executed on: September 1, 2003  
Bumsuk Jung, Jongok Won, Byoung  
Ryul Min, Hoon Sik Kim

Title of Invention: Facilitated Transport Membranes Comprising Porous Supported Membranes and  
Solid Polymer Electrolytes Consisting of a Transition Metal Salt and a Polymer  
Having Double Carbon Bonds

**PATENT APPLICATION FEE VALUE**

TYPE	NO. FILED	LESS	EXTRA	EXTRA RATE	FEE
Total Claims	10	- 20	0	\$18.00 each	\$ 0
Independent	1	- 3	0	\$86.00 each	\$ 0
Minimum Fee					\$ 770
Multiple Dependency Fee					\$
If Applicable (\$290.00)					\$
<b>Total</b>					\$ 770
Applicant qualifies for the 50% Reduction for Independent Inventor, Nonprofit Organization or Small Business Concern					\$ 385
<b>Total Filing Fee</b>					\$ 385

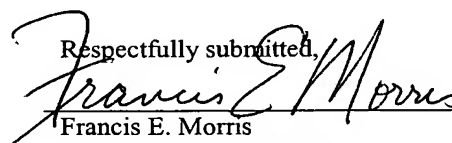
☐ **DO NOT PUBLISH.** I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

☒ Priority of application No. KR 10-2003-0022837 filed on April 11, 2003, is claimed under 35 U.S.C. § 119.

☐ The certified copy of the priority application has been filed in application no. filed on .

Please charge the required fee to Pennie & Edmonds LLP Deposit Account 16-1150. A copy of this sheet is enclosed.

Respectfully submitted,



Francis E. Morris  
PENNIE & EDMONDS LLP

24,615  
Reg No.

Enclosure